

WHAT IS CLAIMED IS:

1. An audio voice control system, comprising:

a. a first input switchably coupled to a sound
card output at first selection circuitry of an audio
5 adapter;

b. a first output switchably coupled to a sound
card input at second selection circuitry of the audio
adapter;

c. a voice communication device coupled to and
10 operable to activate control circuitry, the voice
communication device further operable to receive and to
transmit analog signals to the control circuitry; and

d. the control circuitry coupled to the first
selection circuitry, the second selection circuitry, and
15 the voice communication device, the control circuitry
operable to cause analog signals to be transmitted from
the first input to the voice communication device from
the sound card input and to cause analog signals to be
transmitted from the voice communication device through
20 the first output to the sound card input when activated
for voice communication, and to cause analog signals to
be transmitted from input circuitry to the sound card
input and to cause analog signals to be transmitted from
the sound card output to the output circuitry when
25 activated for a music session, the input circuitry
operable to receive analog signals from at least one of a
microphone and a musical instrument.

2. The system of claim 1, wherein the input
30 circuitry is further operable to perform common mode
rejection on the analog signals from the at least one of

the microphone and the musical instrument.

3. The system of claim 1, wherein at least one of the first selection circuitry and the second selection
5 circuitry comprises circuitry from one of the group consisting of a multiplexer and a switch.

4. The system of claim 1, wherein the first input
is releasably switchably coupled to the sound card output
10 at the first selection circuitry, and the first output is releasably switchably coupled to the sound card input at the second selection circuitry.

5. The system of claim 1, wherein the output
15 circuitry is operable to maintain resistive isolation of the analog signals transmitted to the sound card input from the analog signals transmitted from the sound card output to the output circuitry.

20 6. The system of claim 2, wherein the output circuitry is operable to maintain resistive isolation of the analog signals from the at least one of the microphone and the musical instrument from the analog signals transmitted from the sound card output to the
25 output circuitry.

7. The system of claim 1, wherein the analog
signals caused by the control circuitry to be transmitted
from the first input to the voice communication device
30 from the sound card output when activated for voice communication comprise signals converted from digital

voice communication data received from a computer coupled to the sound card input and the sound card output.

8. The system of claim 1, wherein the voice communication device is wirelessly coupled to the control
5 circuitry.

9. The system of claim 1, wherein the voice communication device is releasably coupled to the control circuitry.

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10. The system of claim 1, wherein:

a. the control circuitry is further operable to receive an activation signal from the voice communication device;

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b. the voice communication device comprises a sensor operable to sense whether a user is activating the device and to, if the user is activating the device, automatically send the activation signal to the control circuitry and cause the transmission of the analog
20 signals from the first input to the voice communication device from the sound card input and from the voice communication device through the first output to the sound card input and to, when the user is not activating the device, automatically allow the analog signals to be
25 transmitted from the input circuitry to the sound card input and from the sound card output to the output circuitry;

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c. the sensor is selected from the group consisting of an inductive sensor, a capacitive sensor,
30 an infrared sensor, an electromechanical switch, and an optical sensor.

11. The system of claim 1, further comprising a hook and cradle device coupled to the control circuitry and operable to receive analog signals transmitted from
5 the first input from the sound card input and to send analog signals to be transmitted through the first output to the sound card input when activated for voice communication.

10 12. The system of claim 11, wherein the voice communication device comprises a headset.

13. The system of claim 1, wherein the voice communication device comprises a hook and cradle device.
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14. The system of claim 1, further comprising volume monitoring circuitry coupled to the sound card output and the first selection circuitry and operable to monitor at least one parameter of the analog signals
20 transmitted to the first output, the at least one parameter selected from the group consisting of amplitude and frequency.

15. An audio voice communication method,
25 comprising:

- a. switchably coupling a first input to a sound card output at first selection circuitry of an audio adapter;
- b. switchably coupling a first output to a sound
30 card input at second selection circuitry of the audio adapter;

c. coupling a voice communication device to control circuitry, the voice communication device operable to activate the control circuitry and receive from, and transmit analog signals to, the control
5 circuitry; and

d. coupling the control circuitry to the first selection circuitry, the second selection circuitry, and the voice communication device, the control circuitry operable to cause analog signals to be transmitted from
10 the first input to the voice communication device from the sound card input and to cause analog signals to be transmitted from the voice communication device through the first output to the sound card input when activated for voice communication, and to cause analog signals to
15 be transmitted from input circuitry to the sound card input and to cause analog signals to be transmitted from the sound card output to the output circuitry when activated for a music session, the input circuitry operable to receive analog signals from at least one of a
20 microphone and a musical instrument.

16. The method of claim 15, further comprising the input circuitry being further operable to perform common mode rejection on the analog signals from the at least
25 one of the microphone and the musical instrument.

17. The method of claim 15, further comprising at least one of the first selection circuitry and the second selection circuitry comprising circuitry from one of the
30 group consisting of a multiplexer and a switch

18. The method of claim 15, further comprising
releasably switchably coupling the first input to the
sound card output at the first selection circuitry, and
releasably switchably the first output to the sound card
5 input at the second selection circuitry.

19. The method of claim 15, further comprising the
analog signals caused by the control circuitry to be
transmitted from the first input to the voice
10 communication device from the sound card output when
activated for voice communication comprising signals
converted from digital voice communication data received
from a computer coupled to the sound card input and the
sound card output.

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20. The system of claim 1, further comprising the
output circuitry being operable to maintain resistive
isolation of the analog signals transmitted to the sound
card input from the analog signals transmitted from the
20 sound card output to the output circuitry.